ELSEVIER

Talanta 56 (2002) 1187–1189

Talanta

www.elsevier.com/locate/talanta

Author Index

Volume 56 (2002)

Abbaspour, A., 91
Abdine, H., 97
Abdollahi, H., 699
Acedo-Valenzuela, M.I., 635
Agüí, L., 577
Akarca, U.S., 837
Albero, M.I., 481
Amarnath, K., 745
Amarnath, V., 745
Andersson, H., 301
Andrade, J.M., 1
Anh, T.M., 627
Apruzzese, F., 459
Araújo, A.N., 997
Argekar, A.A., 591
Aybar-Muñoz, J., 123
Azzellini, G.C., 547

Bahramifar, N., 375
Bakir, M., 1117
Barałkiewicz, D., 105
Becker, H., 267
Belal, F., 97
Bellerby, R.G.J., 61
Bello, M.A., 571
Bengtsson, M., 341
Bertling, W.M., 875
Bertran, E., 203
Bianchi, G., 407
Billová, S., 867, 919
Blanco, M., 203
Bonenfant, D., 395
Bonifácio, R.L., 547
Bosch-Reig, F., 71, 161
Bottari, E., 459
Bowden, M., 355
Bryce, M.R., 451
Bučková, M., 939
Budini, R., 407
Burakham, R., 655

Callejón, M., 571
Cal-Prieto, M.J., 1
Cano Pavón, J.M., 753
Carasek, E., 185
Cárdenas, S., 727
Carlosena, A., 1
Carro, N., 777
Casas-Catalán, M.J., 71
Cassella, R.J., 673
Casu, M., 441
Cesare-Marincola, F., 441
Chalmin, E., 585
Chaloosi, M., 797
Chang, T.-T., 323
Chatelut, M., 115
Chen, S.-H., 323
Chia, K.-J., 663
Choi, H., 1099
Choi, M.M.F., 1027
Choi, S.-Y., 689
Chovelon, J.-M., 627
Christensen, C.B.V., 289
Christian Mason, J., 1099
Chung, K.O.P., 1027
Chunhua, T., 711
Coichev, N., 547
Combeau, S., 115
Couto, C.M.C.M., 997
Crisponi, G., 441
Croot, P., 61
Cuadros-Rodríguez, L., 123
Culbertson, C.T., 365
Czaja, M., 1049
Da, S.-L., 1141
Dallas, T., 309
Dantas Neto, A.A., 1089
Das, A.K., 145
Das, D., 145
Dasgupta, P.K., 309, 977

de Castro Dantas, T.N., 1089
De la Cruz-Cañizares, J., 71
de Lucena Neto, M.H., 1089
Deming, R.L., 655
de Rooij, N.F., 233
de Torres, A.G., 753
Diamond, D., 355
Divrikli, U., 565
Dogan, M., 565
Doménech-Carbó, A., 71, 161
Doménech-Carbó, M.T., 71, 161
Domínguez-Vidal, A., 1005
Drochioiu, G., 425, 1163
Druta, I., 425
Duc Chien, N., 627
Ďuračková, Z., 939
Dvořák, J., 905
Dzyadevych, S.V., 627

Ebrahimzadeh, H., 797
Eckhardt, A.E., 821
Ekström, S., 341
Elci, L., 565
Ellis, A.L., 1099
Elsuccary, S.A.A., 193
Elwenspoek, M.C., 331
Erdem, A., 931
Erensoy, S., 837
Espinosa-Mansilla, A., 635
Expósito, R., 481

Facchin, I., 643
Fahys, B., 1015
Fajkus, M., 895
Fan, L., 705
Felipe-Sotelo, M., 1
Feng, Y.-Q., 1141
Fenoll, J., 1021
Fernandes, I.R., 959
Fernández, R., 571

PII: S0039-9140(02)00063-2

Ferri, E., 407
Festa, M.R., 459
Fojta, M., 867
Fuh, M.-R., 663

Gallego, M., 673, 727
Gangopadhyay, S., 309
Gan, W.-e., 619
García, A., 777
García-Campaña, A.M., 123
García, M.S., 481
Gardeniers, J.G.E., 331
Gauglitz, G., 1153
Ghanadi Maragheh, M., 383
Gimeno-Adelantado, J.V., 71, 161
Giokas, D.L., 415, 491
Girotti, S., 407
Goldenberg, L., 451
Golfinopoulos, S.K., 717
González, A.G., 769
González-Arjona, D., 79
González-Rodríguez, J., 53
Gonzálvez, J., 787
Gozález Bañó, R., 203
Graßl, B., 875
Greenway, G.M., 539
Greenwood, P.A., 539
Griffin, G., 1153
Guiraúm, A., 571
Gustavo González, A., 79
Guzmán, A., 577
Gyles, C., 1117

Haghighi, B., 137
Hamdan, A., 989
Han, F., 603
Hasoň, S., 905
Hassan, J., 375
Hassmann, J., 875
Hassouna, M.E.M., 193
Havel, J., 1061
Havran, L., 867, 915, 919
Hayes, S., 451
Hegazi, E., 989
Hernández-Córdoba, M., 787
Herrador, M.Á., 769
Herrero, A., 1039
Heyrovský, M., 805, 915
He, Y.-z., 619
Hianik, T., 895
Hidalgo, M., 1061
Hinojosa Reyes, L., 515
Hormozi nezhad, M.R., 699
Horng, C.-J., 1109
Horng, P.-H., 1109
Hu, N., 1131
Huang, R., 1131
Hui, R.-T., 1081

Ibrahim, M.S., 471
Ihara, T., 857

Jacobson, S.C., 365
Jaffrezic-Renault, N., 627, 1015
Jelen, F., 905, 919
Jianbo, S., 711
Jiao, K., 1073
Jiménez, J.C., 571
Jing, L., 705
Johannessen, T., 61
Jönsson, C., 301
Jourquin, G., 1021

Källqvist, T., 153
Kanai, M., 829
Kara, P., 837
Karayannis, M.I., 415, 491
Karlberg, B., 153
Kataky, R., 451
Katsuta, S., 505
Kauffmann, J.-M., 1021
Kerman, K., 837
Khammeng, T., 655
Khanchi, A., 383
Kizek, R., 867, 915, 919
Kondo, H., 829
Kostopoulou, M.N., 717
Krause, J., 875
Križková, L., 939
Kubičárová, T., 915
Kugler, C., 875
Kulkarni, M.J., 591
Kutter, J.P., 221

Labuda, J., 939
Länge, K., 1153
Laurell, T., 341
Lawrence, I., 763
Lawrence, M.F., 763
Lee, G.-B., 323
Lee, H.-W., 1099
Lekkas, T.D., 717
Lian, J., 681
Li, D., 613
Li, J., 309
Li, N.-Q., 1081
Liang, S.-C., 499
Liao, W., 613
Lichtenberg, J., 233
Lien, H.-M., 323
Lima, S., 547
Lin, C.-C., 323
Lin, S.-C., 1109
Lin, S.-R., 1109
Liu, D.-P., 1081
Locascio, L.E., 267
López-García, I., 787
López-Mahía, P., 1
López-Pérez, G., 79
Lucarelli, F., 949
Luque de Castro, M.D., 53

Maccagnani, L., 407
Maeda, M., 857
Mangalagiu, I., 425
Marko-Varga, G., 341
Marquette, C.A., 763
Marrazza, G., 949
Mascini, M., 837, 949
Mateo-Castro, R., 71, 161
Mathur, J.N., 591
Matuszewska, A., 1049
McCreedy, T., 539
Meric, B., 837
Merrin, C., 539
Michael Ramsey, J., 365
Mičulková, A., 919
Mikulecky, J.C., 821
Mimeault, M., 395
Minogue, E., 355
Miyahara, H., 829
Moberg, C., 301
Moberg, L., 153
Mohammadi-Sedehi, I., 435
Mohandesi, R., 375
Molina, A.A., 557
Molina-Díaz, A., 1005
Mondal, B.C., 145
Montenegro, M.C.B.S.M., 997
Moosavi, S.M.M., 91
Moreno-Cid, A., 777
Morita, M., 505
Müller, P., 875
Muniategui, S., 1
Muñoz de la Peña, A., 635
Murariu, M., 425

Nakano, K., 857
Nakayama, M., 857
Napier, M.E., 821
Nikolaou, A.D., 717
Nilchi, A., 383
Novotný, L., 971
Nowak, A., 451
Nurchi, V.M., 441

Ohashi, K., 689
Oliveira-Brett, A.M., 959
Olsen, A., 61
Opara, W., 213
Ortega-Barrales, P., 1005
Ortiz, M.C., 1039

Ortuño, J.A., 481
Osete-Cortina, L., 161
Ozkan, D., 837
Ozsoz, M., 837

Paaso, N., 523
Page, A.G., 591
Palchetti, I., 949
Paleček, E., 805, 807, 809, 919
Paleologos, E.K., 415, 491
Pasquini, C., 643, 997
Patolsky, F., 847
Patonay, G., 1099
Pedrero, M., 577
Peña, F., 727
Pérez-Juan, P., 53
Peuravuori, J., 523
Piedade, J.A.P., 959
Pihlaja, K., 523
Pingarrón, J.M., 577
Pivetta, T., 441
Polsky, R., 931
Polychronakos, C., 763
Popovich, N.D., 821
Pourreza, N., 435
Prada, D., 1
Prodromidis, M.I., 491
Puig, L., 777
Pulgarín, J.A.M., 557

Quan, C., 711

Raimundo, I., 997
Reybier, K., 1015
Rohwedder, J., 997
Rohwedder, J.J.R., 643
Roig, B., 585

Safavi, A., 699
Salazar, M.A., 931
Salvadó, V., 1061
Sánchez, J.M., 1061
Sánchez-Maqueda, R., 635
Sanchez-Pedreño, C., 481
Sanders, R.G.P., 331
Šandula, J., 939
Sant'Ana, O.D., 673
Santelli, R.E., 673
Sanz, M.B., 1039
Sarabia, L.A., 1039
Scharf, M., 185
Schülein, J., 875
Schulze, C., 875
Scott Kephart, T., 977
Sequeira, M., 355
Shan, X.-Q., 681
Shehatta, I.S., 471
Shen, L., 1131
Silvagni, R., 441
Singh, A.K., 735
Soldatkin, A.P., 627
Soylak, M., 565
Sørensen, K., 153
Srijaranai, S., 655
Stemme, G., 301
Štěpánek, I., 939
Strekowski, L., 1099
Su, X.-L., 309
Suliman, F.E.O., 175
Sultan, M.R., 471
Sun, W., 1073

Takagi, M., 829
Takeda, Y., 505
Takenaka, S., 829
Tang, B., 603
Tavassoli, A., 137
Temkin, H., 309
Tewari, P.K., 735
Thomas, O., 585
Thomas, R.S., 821
Tiggelaar, R.M., 331
Touraud, E., 585
Trnková, L., 887
Trojanowicz, M., 213
Tsai, J.-L., 1109
Tzeng, C.-C., 1109

Uchida, K., 829

Valcárcel, M., 673, 727
van den Berg, A., 331
Veenstra, T.T., 331
Veltsistas, P.G., 415
Verpoorte, E., 233
Vetterl, V., 905
Vidal de Aquino, E., 643
Viñas, P., 787
Vittori, O., 115
Vivan, M., 959
Vo-Dinh, T., 1153

Wagener, A.L.R., 673
Walulu, R., 309
Wang, H., 499
Wang, J., 223, 931
Wang, X., 309
Wang, Z.-H., 1141
Weizmann, Y., 847
Wen, B., 681
Wick Tonjes, J., 185
Willner, B., 847
Willner, I., 847
Wróbel, K., 515, 515
Wu, X., 1027

Xiao, X.-Z., 1141
Xiaoyan, L., 705
Xiao, Y.-X., 1141
Xingguo, X., 309
Xu, D., 931

Yamashita, K., 829
Yamini, Y., 375, 797
Yáñez-Sedeño, P., 577
Yang, J.J., 1099
Yang, L., 619
Yang, L.-l., 1123
Yasui, A., 505
Yebra, M.C., 777
Yoshida, Z., 689
Yosypchuk, B., 915, 971
Young, K.-C., 323
Yu, G., 613
Yuanqin, Z., 705
Yue, S., 613

Zairi, S., 1015
Zexiang, J., 711
Zhang, D.-q., 1123
Zhang, G.Y., 603
Zhang, H.-M., 1081
Zhang, H.-S., 499
Zhang, X., 499
Zhao, Y.-q., 619
Zhiyong, T., 711
Zhou, X.-L., 1081
Zougagh, M., 753

ELSEVIER

Talanta 56 (2002) 1191–1195

Talanta

www.elsevier.com/locate/talanta

Subject Index

Volume 56 (2002)

AAS 145
Acid–base indicator 705
Acrivastine 97
Acrivastine determination 571
Adriamycin 959
Adsorptive stripping voltammetry 471
Affinity 1153
Alizarin red S 1073
Alkali metal perchlorates 505
Alkaline phosphatase 1021
Aluminum 1089
Amber 1049
Amberlite XAD-7 735
Amberlite XAD-2 735
Amiloride determination 1005
Amino acids 71
Ammonia detection 331
Amoxycillin 635
Amperometric sensor 309
Amperometry 223
Amplification 847
Anion effect 505
Anthocyans 53
Antibody 1153
Antioxidant capacity 407
Antioxidants 939
Antithyroid drugs 577
API grade classification 989
Applications 289
Arabian crude oil 989
Archaeology 161
Aromatics 1049
Artificial neural networks 79
Atomic absorption spectrometry 375, 415, 735, 777, 1109
Atomic fluorescence spectrometry 711
Atropine 539
Automation 787
Avidity 1153
Azo anchoring 145

Back-extraction 591
Beads 301
Benzaldehyde 1039
Benzo[*a*]pyrene 1153
Benzo-15-crown-5 1099
Benzo-18-crown-6 505
Berthelot 331
Beryllium 375
Beverages 115
Bilayer lipid membranes 895
Binary separations 383
Binding interaction 1073
Bioarrays 289
Biosensor 451, 627, 837
Biosensors 847
Bis-intercalator 905
Bismuth 797
Botanical samples 1123
Bovine serum albumin 1073
Butter 1021

Cadmium 753, 777
Cadmium determination 481
Calcium binding 1099
Calmagite 565
Capillary electrophoresis 1061
Capsules 97
Carbon paste 91
Carrier matrix 341
Catalytic-spectrophotometric 435
Cellulose nitrate membrane 565
Ceramic glazes 161
Ceramide 3 395
Cerium(IV) 613
Cerium phosphate 383
Cetyltrimethyl ammonium bromide 603
Chelating minicolumns 777
Chelating resin 145
Chelating resins 735
Chemically modified DNA 867
Chemical nucleases 939
Chemiluminescence 407, 539
Chemometrics 153
Chemotaxis 1117

PII: S0039-9140(02)00064-4

Chip 267
Chlorination by-products 717
4-Chlorophenol 627
Chlorophenols 523
Cholinesterase 1015
Chromatographic response function 655
Chrome tanning liquors 515
Chromium(III) 681
Chromium speciation 145
Chromium(VI) 681
Chromotropic acid 735
Clavulanic acid 635
Cloud point 415
^{13}C NMR chemical shift 441
Competitive PCR 323
Complexes 505
Continuous precipitation–dissolution system 673
Copper 91
Coprecipitation 711
Cyanex 923 613
Cyanex-923 591
Cyanide assay 1163
Cyanine dye 1099
Cyclic voltammetry 1081
Cysteine 745, 971
L-cystine 459

Damage to DNA 939
Detectors 223
Dialysis 233
5,6-Diamino-1,3-naphthalene disulfonic acid (DANDS) 499
Diffusion coefficient 365
2,2-Dihydroxy-1,3-indanedione 1163
2,4-Dinitrophenylhydrazones 175
Dipole moment 505
Di-2-pyridyl-ketone-*p*-nitrophenyl-hydrazone 1117
Dissociation constants 705
Distribution behavior 505
Distribution coefficient 383
Distribution constant 689
Dithizone 185
DNA 837, 847, 887, 905
DNA and RNA sensor 919
DNA assay 931
DNA-biosensor 959
DNA biosensor 939, 949
DNA chips 763
DNA electrochemistry 875
DNA hybridization and damage 809
DNA labeling 867
DNA sensors 809
Double reaction with 2,2-dihydroxy-1,3-indanedione 425
DTPT 91

Echinomycin 905
Effect of ethanol 643
Electroanalysis 115
Electrocatalysis 821, 1131
Electrochemical biosensor 887
Electrochemical DNA sensing 829
Electrochemical impedance spectroscopy 905
Electrochemistry 223, 931, 1131
Electrode 223
Electrohybridization 875
Electrokinetic flow analysis system 619
Electroosmotic pump 619
Electrophoresis 223
Electrospray mass spectrometry 663
Electrostriction 895
Electrothermal atomic absorption spectrometry 1, 105
Elimination voltammetry 887
Environmental 451
Environmental analysis 727
Enzyme 341
Enzyme label 931
Epinephrine 1081
Ethyl chloroformate 71
Experimental design 123, 175, 655, 1039
Extractability 505
Extraction 1089
Extraction constant 689
Extraction kinetics 613
Extraction-spectrophotometry 515

Fabrication 355
Fe(II) 699
Fe(III) 699
Ferrocenyl naphthalene diimide 829
FIA 137
Fibre optics 441
Field sample preconcentration 777
Film modified electrode 1131
Filtering 233
Flame atomic absorption spectrometry 185, 491, 673, 787
Flow-injection 577, 777
Flow injection 53
Flow injection analysis 673, 711, 997
Flow injection on-line preconcentration 753
Flow-through optode 481
Fluorescein 365
Fluorescence 557, 571
Fluorimetric sensor 1005
Fluorimetry 1021
Formaldehyde 451
Formylamino acid 1117
FT-IR spectroscopy 1081
Fundamental equilibria 505

Gallium 1089
Gallium(III) 689
Gas chromatography 71, 175
Gas chromatography-mass spectrometry 727
Germanium 711, 1123
Glass 355
Glucose biosensor 997

Glucose oxidase 997
GPMAS 137
Graphite furnace atomic absorption spectrometry 797, 1123
Guanine 821

Haloacetonitriles 717
Haloketones 717
Hepatitis B virus 837
Hepatitis C virus (HCV) 323
High-performance liquid chromatography 1141
History 809
Homogeneity 203
HPLC 655
HPLC-UV detection 745
H-point standard addition method 699
Human serum albumin 1073
Humic substances 523
Hybridization 895, 919
Hybridization indicator 829
8-Hydroxyquinoline immobilized polyacrylonitrile fiber 681

ICP-AES 753
ICP–AES 591
IMER 341
Impedance 763
Inductively coupled plasma mass spectrometry 681
Industrial wastewater 585
Inorganic ion exchangers 383
Instrumentation 61
In vitro absorption 153
Ionisation constants 441
Ion-pair formation constants in water 505
Ion-pair liquid chromatography 663
Iridium(IV) catalytic determination 603
Iron 547
ITO 821

Kinetic 1153
Kinetic method 193
Kinetic methods 481
Kinetic-spectrofluorimetric method 603
KOH/IPA etching 331

Labeling 233
Lake sediments 105
Lead 105, 735
Lead and cadmium 185
Lenth's method 1039
LFER 523
Light detection cell 331
Light source 355
Liposomes 847
Liquid–liquid extraction 643

Magnetic separation 931
Malachite green 435
MALDI-TOF MS 1061
Manganese 547
Marine chemistry 61
Medium effects 769
Melting temperature 763
Mercury electrodes 915
Metal chelate separation 655
Metal ions 161
Methylene blue 837
2-Methyl-8-quinolinol 689
2-Metyl-5-butyloxymethyl-8-quinolinol 689
Micelle 705
Micelles 415
Micro back-extraction 185
Microbeads 919
Microchip 223
Microchip electrophoresis 323
Microcontact printing 301
Microelectrodes 577
Microemulsion 1089
Microfabricated devices 233
Microfabricated sensor 309
Microfabrication 267
Microfluidic device 365
Microfluidics 267
Micro-fluidic system 355
Microsystems 223
Milk 1021
Mineral and drinking waters 565
Miniaturization 301
Miniaturized total analysis systems 233
$MnSO_4$ 193
Moisture sensor 309
Molar volumes 505
Molecular diagnosis 875
Molecular fluorescence spectrometry 123
Monolayer 301
Monosegmented flow analysis 643
Multivariate calibration 153, 1039
Mutant 847
Myoglobin 1131

Nalidixic acid 471
Nanoparticles 847
2-Naphthol-3,6-disulfonic acid 145
Natural water 145
Near infrared 1099
Near infrared spectroscopy (NIRS) 203
Nicotine 1027
Ninhydrin reagent 1163
Nitric oxide (NO) 499
Nitrite 137, 619
Nonactin 1027
Nucleic acid electrochemistry 809

Oligonucleotides 895
Optical stability 355
Optimization 175
Optode membrane 1027

Organic sulfur 585
Osmium tetroxide 867
Oxalate 193
Oxidative damage 959
8-Oxoguanine 959
Oxygen quenching 547

p53 829
Palladium–zirconium 1123
Palmitic acid 395
Partial least squares 1039
Partial least-squares 635
Partially aqueous pH titrations 769
Pasteurisation 1021
Pattern recognition 79
PCR 233
Penicillamine 745
Periodate 193, 603
Pesticides 1015
Pethidine 539
Pharmaceutical analysis 471
Pharmaceuticals 571
Pharmaceuticals and biological fluids 1005
Phenylurea herbicides 727
pH-FET 627
Phosphonate monolayer 821
Phytoplankton classes 153
Plackett–Burman experimental design 1039
Plasma 407
Plastic electrodes 875
Plate reader 745
Plutonium 591
Polarography 97, 1039
Polyacrylamide 1131
Polyethyleneimine 1015
Polymer 267
Polymerase chain reaction 837
Polymers 355
Porous silicon 341
Potentiometric sensor 1015
Potentiometry 91, 441
Powder blending 203
Preconcentration 735
Pre-concentration 491
Preconcentration 233, 565
Proteinaceous binding media 71
Protein determination 425
Protein hydrolysis 425
Protonation of L-cystine 459
p-tert-Butyl-calix[6]arene-bonded silica gel 1141
Purification 233
1-(2-pyridylazo)-2-naphthol-modified cellulose acetate membranes 491
Pyrocatechol 735
Pyrolytic graphite electrode 867

QSAR 79
Quantitation 323
Quartz-crystal-microbalance 847
Quinalizarine 375
Quinolones 1141

Red dyes 115
Reextraction 1089
Regular solution theory 505
Review 1
Rhenium 1117
Rhodamine 365
Rhodium chlorocomplexes 1061
River and reservoir water 681
Robustness 1039
Robustness test 123
Ruthenium(II) tris(bipyridyl) 547

Salicylaldehyde *p*-nitro-benzoylhydrozone 603
Salicylamide 557
Sample preparation 233
Sample pretreatment 233
Screen-printed electrode 939
Screen-printed electrodes 949
Seawater 777
Seawater and wastewater 491
Seawater pH 61
Selectivity 505, 1089
Self-assembled electrode 1081
Self-assembly 301
Self-sorting 301
Sensors 1117
Sequential injection analysis 619
Serum 471, 557, 1005
–SH derivatives 915
Silanization 763
Silicon 355, 763
Silver 673
Silver electrode 887
Silver or copper solid amalgam electrodes 971
Simplex optimization 655
Single nucleotide polymorphism 829
Slurry sampling 1
Sol–gel 997
Solid materials 1
Solid phase extraction 145, 375, 727
Solubility of L-cystine 459
Solubility parameters 505
Solute–solvent interaction 505
Solvent extraction 505
Solvent microextraction 185
Sorption coefficients 523
SPE 797
Speciation 699, 1061
Spectral characterization of crude oils 989
Spectrofluorimetry 499
Spectrophotometry 53, 61, 137, 193, 407
Spinach 193
Standard additions method 787

Steel production workers 1109
Sterol 395
Stopped-flow mixing 635
Stratum corneum 395
Stripping voltammetry 161
Substituent effect 441
Sulfite 547
Sulfonamides 1141
Sulphonated azo dyes 663
Supercritical carbon dioxide 689
Surface hybridization 821
Surface potential 895
Swain–Lupton constants 441
Synchronous luminescence 1049

μTAS 539
TCMTB 515
Technology 289
Thermotropic behavior 395
1,1′-Thiocarbonyldiimidazole 745
Thiocyanate 435
Thiosalicylic acid 735
Time-resolved fluorescence spectroscopy 989
Total polyphenols 53
Toxalert®100 949
Toxicity 949
Trace elements 1109
Trace metals 591
Transition intervals 705
Transition points 705
Trihalomethanes 717
Trizma-chloranilate 415
TTCA 745
TTF-TCNQ 451
TT virus 837
Tungsten 435
Tyrosinase 627

Ultrasonic slurry sampling 105
Underway measurements 61
Uranium 591
Urine 97, 471, 571
Urine analysis 1109
UV spectrophotometry 585
UV–Vis spectroscopy 441

Validation 289
Voltammetry 867, 915, 919, 959, 971, 1073

Water 753
Water–acetonitrile mixtures 769
Water sensor 309
Wine 53

Xylenol orange 735

Yeast polysaccharides 939

Zinc determination 491, 643